

Appin Power Station
 Licence Number: 5482
 Licence Holder: EDL CSM (NSW) PTY LTD
 Licensee Address: Appin Coal Seam Methane Power Station
 Month: FY 2018-2019

Month	Location of monitoring point	Sampled	Obtained	Published	Pollutant	Units	Monitoring frequency (licence)	Licence Limit	Measurement during month	Min	Mean	Max	Exceedance (Yes/No)	
Jul-18	Point 10 - Ambient air and weather monitoring station		8/08/18	22/08/18	NOx	ppb	Continuous		Cont.	1	11	65		
			8/08/18	22/08/18	O3	ppb	Continuous		Cont.	-1	19	31		
	Point 13 - Air emissions monitoring		2/08/18	3/08/18	NOx	ppm	Continuous	2878g/min	Cont.		<2878g/min		No	
			2/08/18	3/08/18	O&G	mg/L	Weekly during any discharge			0				
	Point 11 - First Flush Effluent quality monitoring		2/08/18	3/08/18	pH		Weekly during any discharge			0				
			2/07/18	23/07/18	3/08/18	Salinity	ppt	Monthly			0			
			2/07/18	23/07/18	3/08/18	TSS	mg/L	Monthly			0			
	Point 12 - Process Water Effluent quality monitoring		2/07/18	23/07/18	3/08/18	O&G	mg/L	Monthly			1		<5	
			2/07/18	23/07/18	3/08/18	pH		Monthly			1		7.13	
			2/07/18	23/07/18	3/08/18	Salinity	ppt	Monthly			1		0.168	
			2/07/18	23/07/18	3/08/18	TDS	mg/L	Monthly			1		141	
			2/07/18	23/07/18	3/08/18	TSS	mg/L	Monthly			1		7	
			2/07/18	23/07/18	3/08/18	BOD	mg/L	Monthly			1		<2	
			2/07/18	23/07/18	3/08/18	FC	cfu/100mL	Monthly			1		<1	
	Point 16 - Septic waste water Effluent quality monitoring		2/07/18	23/07/18	3/08/18	O&G	mg/L	Monthly			1		<3	
			2/07/18	23/07/18	3/08/18	TN	mg/L	Monthly			1		52	
			2/07/18	23/07/18	3/08/18	TDS	mg/L	Monthly			1		468	
			2/07/18	23/07/18	3/08/18	TSS	mg/L	Monthly			1		10	
			2/07/18	23/07/18	3/08/18	TP	mg/L	Monthly			1		15	
			12/09/18	14/09/18	NOx	ppb	Continuous		Cont.		1	7	85	
		12/09/18	14/09/18	O3	ppb	Continuous		Cont.		0	21	35		
Aug-18	Point 10 - Ambient air and weather monitoring station		25/09/18	27/09/18	NOx	ppm	Continuous	2878g/min	Cont.		<2878g/min		No	
			25/09/18	27/09/18	O&G	mg/L	Weekly during any discharge			4		nil		
	Point 11 - First Flush Effluent quality monitoring		25/09/18	27/09/18	pH		Weekly during any discharge			4	7.75	7.86	7.97	
			2/08/18	29/08/18	14/09/18	Salinity	ppt	Monthly			1		0.234	
			2/08/18	29/08/18	14/09/18	TSS	mg/L	Monthly			1		3	
	Point 12 - Process Water Effluent quality monitoring		2/08/18	29/08/18	14/09/18	O&G	mg/L	Monthly			1		<5	
			2/08/18	29/08/18	14/09/18	pH		Monthly			1		7.02	
			2/08/18	29/08/18	14/09/18	Salinity	ppt	Monthly			1		0.141	
			2/08/18	29/08/18	14/09/18	TDS	mg/L	Monthly			1		118	
			2/08/18	29/08/18	14/09/18	TSS	mg/L	Monthly			1		1	
			2/08/18	29/08/18	14/09/18	BOD	mg/L	Monthly			1		<2	
			2/08/18	29/08/18	14/09/18	FC	cfu/100mL	Monthly			1		<10	
	Point 16 - Septic waste water Effluent quality monitoring		2/08/18	29/08/18	14/09/18	O&G	mg/L	Monthly			1		<3	
			2/08/18	29/08/18	14/09/18	TN	mg/L	Monthly			1		63	
			2/08/18	29/08/18	14/09/18	TDS	mg/L	Monthly			1		415	
			2/08/18	29/08/18	14/09/18	TSS	mg/L	Monthly			1		10	
			2/08/18	29/08/18	14/09/18	TP	mg/L	Monthly			1		12	
			12/10/18	22/10/18	NOx	ppb	Continuous		Cont.		1	7	109	
			12/10/18	22/10/18	O3	ppb	Continuous		Cont.		0	21	36	
	Sep-18	Point 10 - Ambient air and weather monitoring station		18/10/18	22/10/18	NOx	ppm	Continuous	2878g/min	Cont.		<2878g/min		no
			18/10/18	22/10/18	O&G	mg/L	Weekly during any discharge			3		nil		
Point 11 - First Flush Effluent quality monitoring			18/10/18	22/10/18	pH		Weekly during any discharge			3	7.60	7.86	8.4	
			4/09/18	21/09/18	10/10/18	Salinity	ppt	Monthly			1		0.146	
			4/09/18	21/09/18	10/10/18	TSS	mg/L	Monthly			1		1	
Point 12 - Process Water Effluent quality monitoring			4/09/18	21/09/18	10/10/18	O&G	mg/L	Monthly			1		<5	
			4/09/18	21/09/18	10/10/18	pH		Monthly			1		6.98	
			4/09/18	21/09/18	10/10/18	Salinity	ppt	Monthly			1		0.15	
			4/09/18	21/09/18	10/10/18	TDS	mg/L	Monthly			1		124	
			4/09/18	21/09/18	10/10/18	TSS	mg/L	Monthly			1		2	
			4/09/18	21/09/18	10/10/18	BOD	mg/L	Monthly			1		<2	
			4/09/18	21/09/18	10/10/18	FC	cfu/100mL	Monthly			1		<10	
Point 16 - Septic waste water Effluent quality monitoring			4/09/18	21/09/18	10/10/18	O&G	mg/L	Monthly			1		<3	
			4/09/18	21/09/18	10/10/18	TN	mg/L	Monthly			1		61	
			4/09/18	21/09/18	10/10/18	TDS	mg/L	Monthly			1		472	
			4/09/18	21/09/18	10/10/18	TSS	mg/L	Monthly			1		11	
			4/09/18	21/09/18	10/10/18	TP	mg/L	Monthly			1		12	
			12/11/18	15/11/18	NOx	ppb	Continuous		Cont.		1	16	128	
			12/11/18	15/11/18	O3	ppb	Continuous		Cont.		-1	19	49	
Oct-18		Point 10 - Ambient air and weather monitoring station		31/10/18	15/11/18	NOx	ppm	Continuous	2878g/min	Cont.		<2878g/min		no
			31/10/18	7/11/18	O&G	mg/L	Weekly during any discharge			8		nil		
	Point 11 - First Flush Effluent quality monitoring		31/10/18	7/11/18	pH		Weekly during any discharge			8	7.80	7.97	8.1	
			3/10/18	23/10/18	7/11/18	Salinity	ppt	Monthly			1		0.442	
			3/10/18	23/10/18	7/11/18	TSS	mg/L	Monthly			1		<1	
	Point 12 - Process Water Effluent quality monitoring		3/10/18	23/10/18	7/11/18	O&G	mg/L	Monthly			1		<5	
			3/10/18	23/10/18	7/11/18	pH		Monthly			1		6.97	
			3/10/18	23/10/18	7/11/18	Salinity	ppt	Monthly			1		0.15	
			3/10/18	23/10/18	7/11/18	TDS	mg/L	Monthly			1		124	
			3/10/18	23/10/18	7/11/18	TSS	mg/L	Monthly			1		1	
			3/10/18	23/10/18	7/11/18	BOD	mg/L	Monthly			1		<2	
			3/10/18	23/10/18	7/11/18	FC	cfu/100mL	Monthly			1		<10	
	Point 16 - Septic waste water Effluent quality monitoring		3/10/18	23/10/18	7/11/18	O&G	mg/L	Monthly			1		<3	
			3/10/18	23/10/18	7/11/18	TN	mg/L	Monthly			1		18	
			3/10/18	23/10/18	7/11/18	TDS	mg/L	Monthly			1		406	
			3/10/18	23/10/18	7/11/18	TSS	mg/L	Monthly			1		21	
			3/10/18	23/10/18	7/11/18	TP	mg/L	Monthly			1		11	
			11/12/18	14/12/18	NOx	ppb	Continuous		Cont.		1	10	105	
			11/12/18	14/12/18	O3	ppb	Continuous		Cont.		-3	17	60	
	Nov-18	Point 10 - Ambient air and weather monitoring station		30/11/18	14/12/18	NOx	ppm	Continuous	2878g/min	Cont.		<2878g/min		no
			30/11/18	14/12/18	O&G	mg/L	Weekly during any discharge			8		nil		
Point 11 - First Flush Effluent quality monitoring			30/11/18	14/12/18	pH		Weekly during any discharge			8	7.70	8.025	8.3	
			5/11/18	28/11/18	14/12/18	Salinity	ppt	Monthly			1		0.2	
			5/11/18	28/11/18	14/12/18	TSS	mg/L	Monthly			1		2	
Point 12 - Process Water Effluent quality monitoring			5/11/18	28/11/18	14/12/18	O&G	mg/L	Monthly			1		<5	
			5/11/18	28/11/18	14/12/18	pH		Monthly			1		7.34	
			5/11/18	28/11/18	14/12/18	Salinity	ppt	Monthly			1		0.146	
			5/11/18	28/11/18	14/12/18	TDS	mg/L	Monthly			1		120	
			5/11/18	28/11/18	14/12/18	TSS	mg/L	Monthly			1		1	
			5/11/18	28/11/18	14/12/18	BOD	mg/L	Monthly			1		<5	
			5/11/18	28/11/18	14/12/18	FC	cfu/100mL	Monthly			1		<10	
Point 16 - Septic waste water Effluent quality monitoring			5/11/18	28/11/18	14/12/18	O&G	mg/L	Monthly			1		<3	
			5/11/18	28/11/18	14/12/18	TN	mg/L	Monthly			1		48	
			5/11/18	28/11/18	14/12/18	TDS	mg/L	Monthly			1		333	
			5/11/18	28/11/18	14/12/18	TSS	mg/L	Monthly			1		14	
			5/11/18	28/11/18	14/12/18	TP	mg/L	Monthly			1		11	
						NOx	ppb	Continuous		Cont.				
						O3	ppb	Continuous		Cont.				

Note: First flush empty during July - no water sampled

Dec-18	Point 13 - Air emissions monitoring			NOx	ppm	Continuous	2878g/min	Cont.			
				O&G	mg/L	Weekly during any discharge					
	Point 11 - First Flush Effluent quality monitoring			pH		Weekly during any discharge					
	4/12/18	17/12/18	21/12/18	Salinity	ppt	Monthly			0		
	4/12/18	17/12/18	21/12/18	TSS	mg/L	Monthly			0		
	Point 12 - Process Water Effluent quality monitoring			O&G	mg/L	Monthly			1	<5	
	4/12/18	17/12/18	21/12/18	pH		Monthly			1	6.92	
	4/12/18	17/12/18	21/12/18	Salinity	ppt	Monthly			1	0.105	
	4/12/18	17/12/18	21/12/18	TDS	mg/L	Monthly			1	88	
	4/12/18	17/12/18	21/12/18	TSS	mg/L	Monthly			1	3	
	4/12/18	17/12/18	21/12/18	BOD	mg/L	Monthly			1	<5	
	4/12/18	17/12/18	21/12/18	FC	cfu/100mL	Monthly			1	<10	
	Point 16 - Septic waste water Effluent quality monitoring			O&G	mg/L	Monthly			1	<3	
	4/12/18	17/12/18	21/12/18	TN	mg/L	Monthly			1	40	
	4/12/18	17/12/18	21/12/18	TDS	mg/L	Monthly			1	371	
	4/12/18	17/12/18	21/12/18	TSS	mg/L	Monthly			1	11	
	4/12/18	17/12/18	21/12/18	TP	mg/L	Monthly			1	12	

Note: First flush was empty at the time of sampling